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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/686,913	10/14/2003	Chen Cheng-Tung	7465	
7590 11/01/2004			EXAMINER	
Meng-Tsuey, Pan			MCKINNON, TERRELL L	
P.O. Box 1-252 Sanchung,			ART UNIT	PAPER NUMBER
TAIWAN	*		3743	
			DATE MAILED: 11/01/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		a A A			
	Application No.	Applicant(s)			
	10/686,913	CHENG-TUNG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Terrell L Mckinnon	3743			
The MAILING DATE of this communication a	ppears on the cover sheet wit	th the correspondence address			
Period for Reply	N V IO OET TO EVOIDE A M	ONTHO) FROM			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, is less than thirty (30) days, a re If NO period for reply is specified above, the maximum statutory perions - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1.136(a). In no event, however, may a resply within the statutory minimum of thirty will apply and will expire SIX (6) MON ute, cause the application to become AB.	eply be timely filed (30) days will be considered timely. FHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 14	October 2003.				
2a) This action is FINAL . 2b) ⊠ Th	nis action is non-final.				
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	. 11, 453 O.G. 213.			
Disposition of Claims					
4) Claim(s) 1-4 is/are pending in the application	١.				
4a) Of the above claim(s) is/are withdo	awn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-4</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and	or election requirement.				
Application Papers					
9)☐ The specification is objected to by the Exami	ner.				
10) The drawing(s) filed on is/are: a) □ ad	ccepted or b) objected to b	by the Examiner.			
Applicant may not request that any objection to the	ne drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the corre					
11) The oath or declaration is objected to by the	Examiner. Note the attached	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for forei	gn priority under 35 U.S.C. §	119(a)-(d) or (f).			
a)⊠ All b)□ Some * c)□ None of:					
1. Certified copies of the priority docume					
2. Certified copies of the priority docume	•				
3. Copies of the certified copies of the pr	<u> </u>	received in this National Stage			
application from the International Bure					
* See the attached detailed Office action for a li	st of the certified copies not r	eceivea.			
Attachment(s)	, -				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413))/Mail Date			
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 	F	formal Patent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsai (U.S. 6,449,160) in view of Spender (U.S. 2,434,676).

Tsai discloses a radiation fin assembly for heat sinks comprising:

- a minimum of one or more folded appendages (12) that are formed by bending along the upper or lower lateral edges, or other suitable position of a single heat sink element;
- an opening (121) disposed at the confluence of the folded
 appendage and the plate to form a perforated construction;
- a linking member (11) that extends outward from the folded appendage;
- the linking member also has two lock tabs (122) that extend from the two sides of the linking member;
- during interconnection, the lock tabs are articulated into an O
 shape and engaged into the opening of another immediately
 adjacent the single heat sink element;

furthermore, the linking member and the two lock tabs at its two
sides are formed into a horizontal S shape or an inverted horizontal
S-shaped arrangement such that they are crimped onto the other
heat sink element to prevent unintentional dislodging (column 2,
lines 12-27);

the planar profile of the lock tabs includes triangular arrangements (Fig. 4).

Tsai's invention fails to disclose the linking member can be fabricated with one said lock tab that extends from the left or the right side of the leading extremity of the said linking member.

However, Spender teaches a heat sink having a linking member fabricated with one lock tab that extends from the left or the right side of the leading extremity of the said linking member.

Given the teachings of Spender, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the locking tabs of Tsai with a linking member fabricated with one lock tab that extends from the left or the right side of the leading extremity of the linking member.

Doing so would provide an alternate arrangement for thermally securing the heat sink members.

Conclusion

The prior art made of record and not relied upon is considered pertinent to

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applicant's disclosure. The following references are cited for disclosing related limitations of the applicant's claimed and disclosed invention. Ho et al, Dong et al, Huang et al (2 patents), Chang et al, Wei, Ito, Shen, Hsu, Lee, Wang et al (2 patents), Huang, Chang and Lo.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terrell L Mckinnon whose telephone number is 703-305-0059. The examiner can normally be reached on Monday -Thursday and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennett can be reached on 308-0101. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Terrell L Mckinnon Primary Examiner

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October 31, 2004